View NSN Online: https://aerobasegroup.com/nsn/4220-01-361-0810

EASTERN AERO MARINE -- R0103A111 LIFE RAFT (MSDS FOR CARBON DIOXID -- 4220-01-361-0810

Product ID:R0103A111 LIFE RAFT (MSDS FOR CARBON DIOXID

MSDS Date:04/01/1986

FSC:4220

NIIN:01-361-0810

MSDS Number: BRGPW === Responsible Party ===

Company Name: EASTERN AERO MARINE Address: 3850 NW TWENTY-FIFTH STREET

City:MIAMI State:FL

ZIP:33142-6720 Country:US Info Phone Num: 305-871-4050

Emergency Phone Num:305-871-4050

CAGE:57399

=== Contractor Identification ===

Company Name: EASTERN AERO MARINE Address: 3850 NW TWENTY-FIFTH STREET

Box:City:MIAMI

State:FL

ZIP:33142-6720 Country:US

Phone:305-871-4050

CAGE:57399

======= Composition/Information on Ingredients ========

Ingred Name: CARBON DIOXIDE

CAS:124-38-9

RTECS #:FF6400000 Fraction by Wt: > 99.5%

Other REC Limits: NONE SPECIFIED

OSHA PEL:5000 PPM

ACGIH TLV:5000PPM/30000STEL;93

======= Ha

zarne indhtitication	

LD50 LC50 Mixture:100,000 PPM/1 MIN HUMAN INHALATION LCLO

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:PRODUCT CAN CAUSE ASPHYXIATION BY DISPLACING OXYGEN. AT HIGH CONCENTRATIONS PARALYSIS OF THE RESPIRATORY CONTROL CENTER OF THE NERVOUS SYSTEM MAY OCCUR. UNCONSCIOUSNESS MAY OCCUR. ***HMIS:WHILE THIS H AZARD IS

REPRESENTATIVE OF CARBON DIOXI DE, THESE EXPOSURES ARE UNLIKELY

WHILE HANDLING OR USEING THE LIFE RAFT.***

Explanation of Carcinogenicity:PRODUCT IS NOT CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.

Effects of Overexposure:LOW CONCENTRATIONS MAY INCLUDE HEADACHE, DIZZINESS, SHORTNESS OF BREATH, MUSCULAR WEAKNESS, DROWSINESS, RINGING IN EARS. HIGH CONCENTRATIONS MAY PRODUCE A FAINT ACIDIC TASTE AND PARALYSIS OF RESPIRATO RY SYSTEM. CONTACT WITH LIQUID OR SOLIDCARBON DIOXIDE MAY CAUSE FROSTB

ITE AND FREEZE BURNS.

Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid:IN CASE OF CONTACT WITH LIQUID OR SOLID, PROMPTLY FLUSH AREAS WITH TEPID WATER. DO NOT APPLY DIRECT HEAT. LOOSELY APPLY DRY STERILE BULKY DRESSINGS TO PROTECT AREA FROM INFECTION. GET MEDICAL ATTENTIO N. IN CASE OF INHALATION, REMOVE TO FRESH AIR. QUICKLY RESTORE AND/OR SUPPORT BREATHING. GET MEDICAL ATTENTION.

CAUTION!

WOULD-BE RESCUERS NEED TO BE CONCERNED WITH THEIR OWN SAFETY DURNIG RESCUE.

Flash Point:NONE

Lower Limits:NOT FOUND Upper Limits:NOT FOUND

Extinguishing Media: USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS.

Fire Fighting Procedures:WATER MAY BE USED TO INCREASE THE RATE OF EVAPORATION. CARBON DIOXIDE IS A FIRE EXTINGUISHING AGENT BUT MAY N

OT BE EFFECTIVE ON CHEMICALS THAT SUPPLY OXYGEN.
Unusual Fire/Explosion Hazard:WHEN EXPOSED TO FIRE, CONTAINERS MAY
RUPTURE VIOLENTLY. FIRE FIGHTERS SHOULD USE SELF-CONTAINED
BREATHING APPARATUS AND WEAR FULLY PROTECTIVE CLOTHING.

======= Accidental Release Measures ==========

Spill Release Procedures:NOTIFY SAFETY PERSONNEL OF MAJOR LEAKS OR SPILLS. EVACUATE AREA UNTIL VENTILATION CAN RESTORE A SAFE OXYGEN LEVEL. EMRGENCY PERSONNEL NEED SELF-CONTAINED BREA THING EQUIPMENT

AND PROTECTIVE CLOTHING AG AINST CONTACT WITH SOLID MATERIAL. Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

============= Handling and Storage ===============

Handling and Storage Precautions:HANDLING, STORAGE, AND UTILIZATION OF COMPRESSED-GAS CYLINDERS MUST BE IN ACCORDANCE WITH 29 CFR 1910.101(6). DO NOT STORE THEN IN ENCLOSED AREAS.

Other Precautions:DO NOT PUT DRY ICE IN A CLOSED CONTAINER WHERE EVOLVED GAS CANNOT ESCAPE. USE AN UNSEAL

ED, INSULATED STORAGE CHEST

OR CONTAINER FOR DRY ICE. STORE IN A COOL, DARK, WELL-VENTILATED AREA AWAY FROM SOURC ES OF HEAT.

====== Exposure Controls/Personal Protection ========

Respiratory Protection:PROVIDE AIR-SUPPLIED OR SELF-CONTAINED BREATHING EQUIPMENT FOR EMERGENCY OR NONROUTINE SITUATIONS WHERE THE LEVEL OF CARBON DIOXIDE IS EXCESSIVE.

Ventilation:PROVIDE ADEQUATE GENERAL AND LOCAL EXHAUST VENTILATION TO PREVENT WORKPLACE ATMOSPHERES FROM BECOMING O XYGEN DEFICIENT.

Protective Gloves: INSULATED GLOVES

Eye Protection: SAFETY GLASSES

Other Protective Equipment: USE A SAFETY LINE AND STANDBY WORKER WHEN ENTERING CARBON-DIOXIDE ENRICHED AREA. SAFETY SHOES ARE RECOMMENDED.

Work Hygienic Practices: CONTACT LENSES POSE A SPECIAL HAZARD; SOFT LENSES MAY ABSORB IRRITANTS AND ALL LENSES CONCENTRATE IRRITANTS. Supplemental Safety and Health

KEY2:KT MSDS IS NOT REPRESENTATIVE OF THE ITEM OF SUPPLY. EXPOSURES SUCH AS DESCRIBED ARE NOT LIKEL

Y IN THE HANDLING OR USE OF THE LIFE RAFT WHICH IS INFLATED BY THE CARBON DIOXIDE CYLINDER.

======== Physical/Chemical Properties ==========

HCC:G3

NRC/State Lic Num:NONE Boiling Pt:B.P. Text:109F,43C Melt/Freeze Pt:M.P/F.P Text:NONE

Vapor Density:1.5

Spec Gravity:1.53

Solubility in Water: APPRECIABLE

Appearance and Odor: COLORLESS GAS, CLEAR, COLORLESS, VOLATILE LIQUID,

ODORLESS, ACIDIC TASTE Percent Volatiles by Volume:100 %

======= Stability and Reactiv

ity Data ========

Stability Indicator/Materials to Avoid:YES

ACRYLALDEHYDE, ETHYLENIMINE, SODIUM PEROXIDE, ALUMINUM, MAGNESIUM, TITANIUM, ZIRCONIUM, DIETHYL MAGNESIUM, CESIUM OXIDE Stability Condition to Avoid:EXTREME HEAT, PHYSICAL DAMAGE Hazardous Decomposition Products:CARBON MONOXIDE

======= Disposal Considerations ===========

Waste Disposal Methods:REMOVE SCRAP SOLID (DRY ICE), TAKE CYLINGER OUTDOORS OR PLACE IT IN A HOOD WITH GOOD FORCED VENTILA TION. ALLOW

GAS TO BE DISCHARGED AT A MODERATE RATE. CLOSE VALVE AND RETURN TO SUPPLIER.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and

assume responsibility for the suitability of this information to their particular situation.